

WAAS Web Application Portal

Airport Schedules

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Introduction

As part of the William J. Hughes Technical Center WAAS Test Team website (www.nstb.tc.faa.gov), the WAAS Web Application Portal allows you to view Airport Schedules.

This website allows you to view predictions of WAAS availability at an airport with an LPV published approach up to two weeks in advance.

The following information shows you how to navigate the website. First, click on the “WAAS Web Application Portal” link (See red arrow below).

Welcome to the William J. Hughes Technical Center WAAS Test Team

Please use the the navigation bar at the left to view our products. The real-time performance plots are created every three minutes, and all real-time plot pages update every two minutes. The real-time plots show up to the minute WAAS performance. The 24-hour performance plots show yesterdays performance using the total 24-hours of data. Any daily plot page updates every 24 hours. Real-time data files update every three minutes as well. Performance videos show animated performance data for the previous 24-hour period. They can be viewed in Windows media player. Please see video help for further assistance. Performance analysis reports are updated quarterly, and contain the most detailed analyses of GPS and WAAS performance. The WAAS technical reports coincide with links contained in the PAN reports and give detailed analysis on specific problem occurrences.

- * Real-Time Interactive WAAS Performance Applications
 - [2D Display](#)
 - [3D Display](#)
 - (Requires Google Earth)
- * Additional WAAS/GPS Web Applications
 - [WAAS Web Application Portal](#) ←



William J. Hughes FAA Technical Center

Once you click the link, you come to the screen below. To access airport schedules, click on “Airport Schedules” (See red arrow below).

Welcome to The William J. Hughes Technical Center WAAS Test Team


Interactive Web Application Portal

Disclaimer: The data on this website is for information only and should not be used for flight planning.

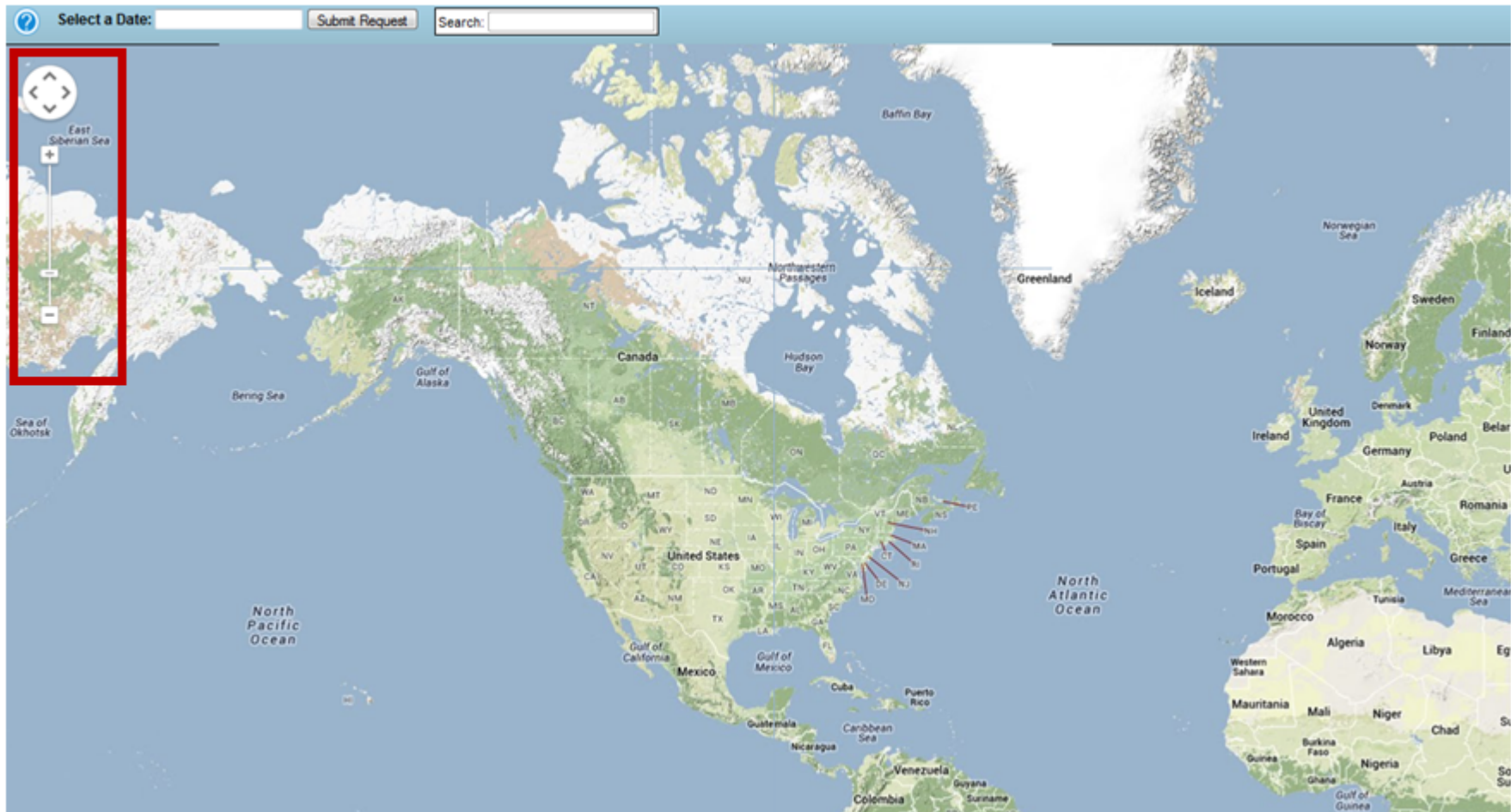
Real-Time Applications

- [OTE Display](#) - Real-Time Receiver Data Display
- [SMS Display](#) - Real-Time Service Monitoring Subsystem Display
- [SBAS Display \(Coming Soon\)](#) - Real-Time EGNOS / MSAS / WAAS Display

Reporting Applications

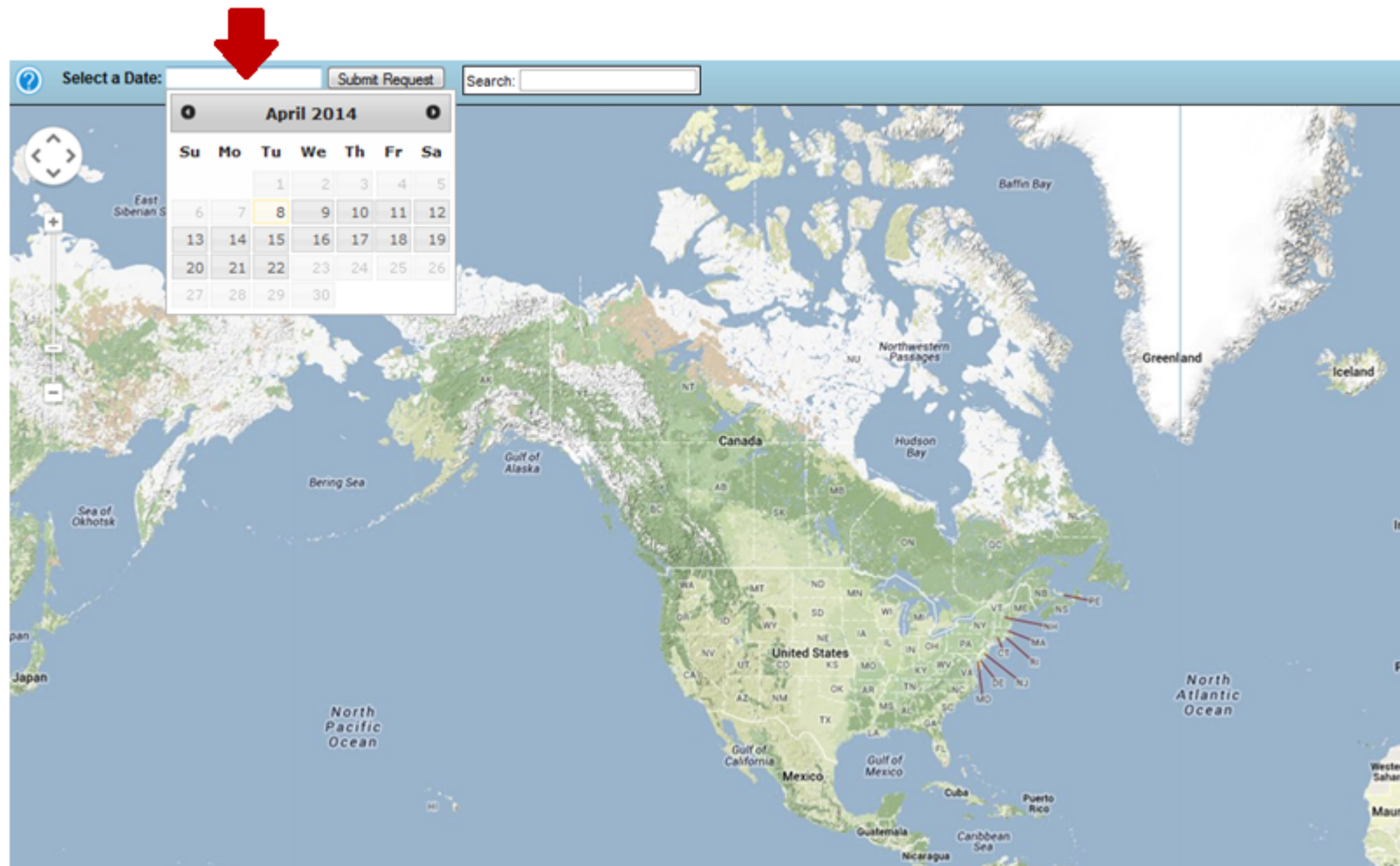
- [Airport Actual Outages](#) - Provides "rolled up" airport outage information on a geographic display
-  [Airport Schedules](#) - Shows predicted airport schedules for the next two weeks
- [Interactive PAN Report](#) - Allows for interactive generation of select PAN Report Tables over a user specified period of time
- [NPA SPS Summary](#) - Summary NPA SPS Statistics
- [PA Summary](#) - Summary PA Statistics
- [Rollup Display](#) - Displays aggregated airport and IGP statistics on a geographic display
- [SMS Animation Display](#) - Animates SMS data over user selected time periods on an interactive geographic display
- [UDREi Daily Graphs](#) - Displays savable UDREi GEO graphs for a given day

After clicking “Airport Schedules,” you will see a familiar interface. As can be done with all Google Maps, you may zoom in and out by sliding the zoom control on the upper left corner of the map or the by scrolling with the scroll wheel your computer mouse. You can also pan using the round pan button. (See the red box below). You may also pan by pressing and holding the left-mouse key and moving your mouse anywhere on the map.



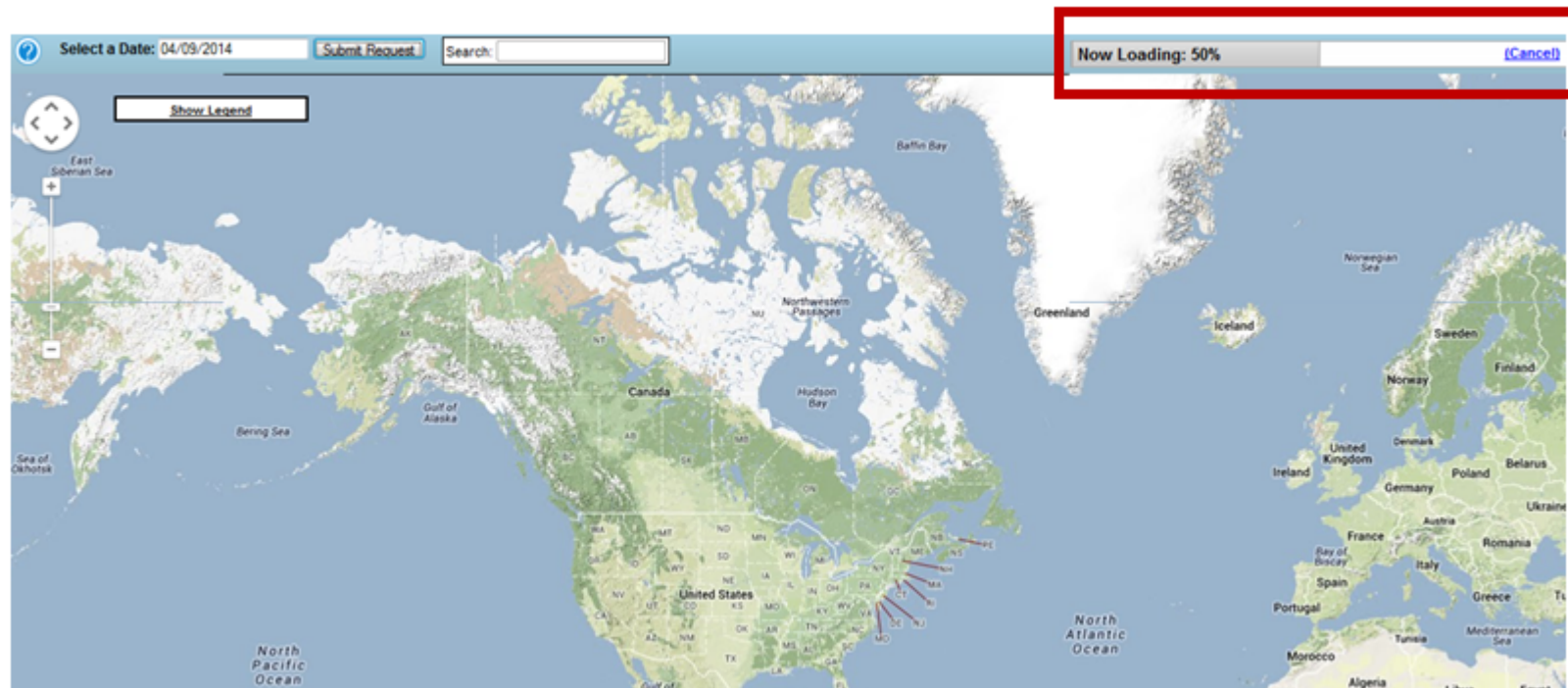
Select a Date

To view predictions of WAAS availability up to two weeks in advance, click in the “Select a Date” box. A calendar will pop up showing you the available days. Notice, this is only for predictions, not actual availability, so any past days will be grayed out. Once you choose a date, click on the “Submit Request” box. After clicking on ‘Submit Request” button, wait for the page to load.



Canceling a Page Load

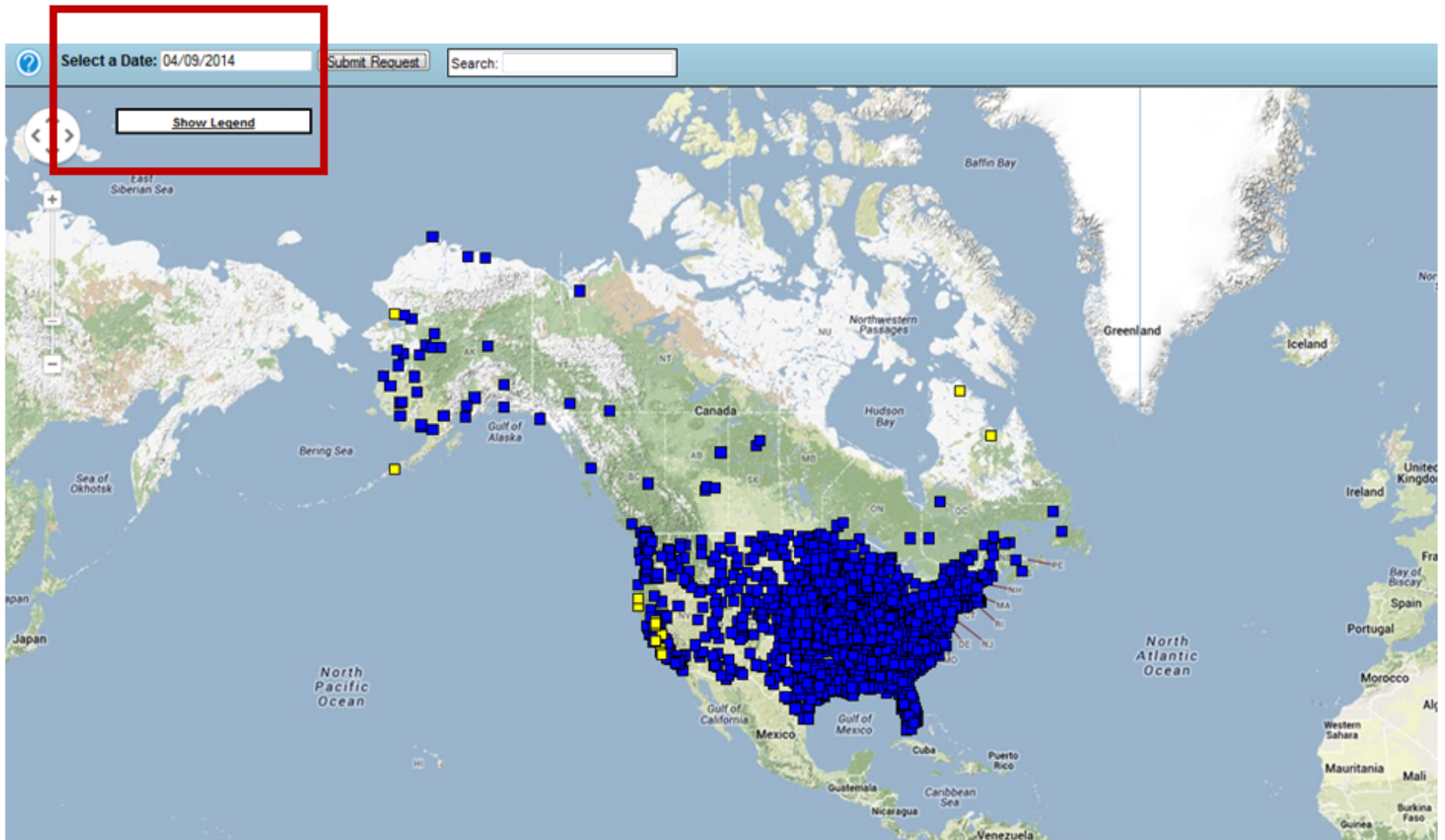
The red box here is highlighting that the page is currently 50% loaded. If you want to cancel or change this request *while the page is loading*, click on the word [\(Cancel\)](#) in the upper right-hand corner. This will bring you back to the initial page where you may submit a request for a different date. After the page has finished loading, you cannot cancel. You simply resubmit a different date.



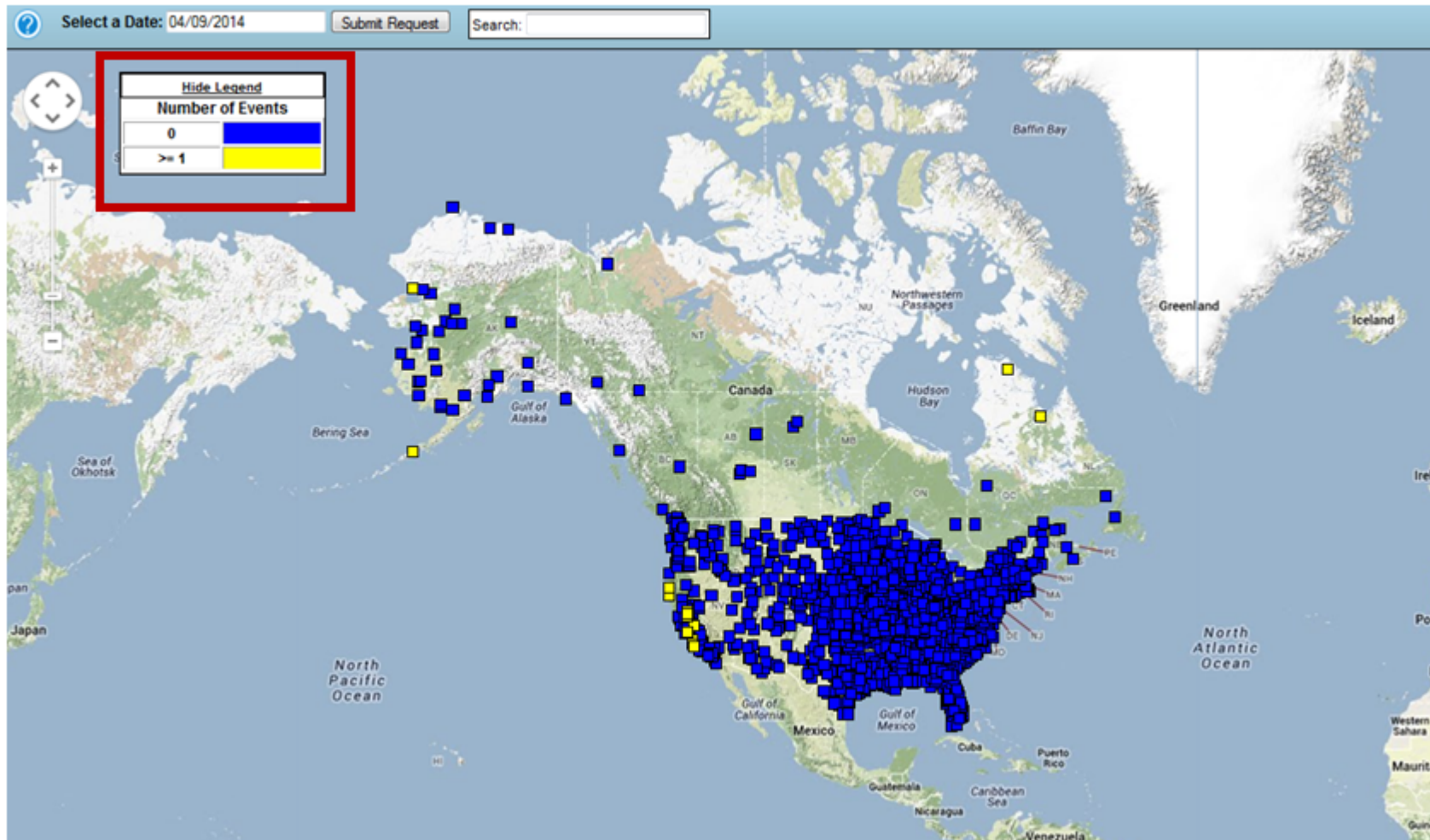
Show Legend Box

Our page has now loaded. Here, the date we have chosen is 04/09/2014.

Notice the “Show Legend” box in the upper, left-hand corner of the screen. Clicking this will allow us to see what the colored boxes on the map signify (See red box below).



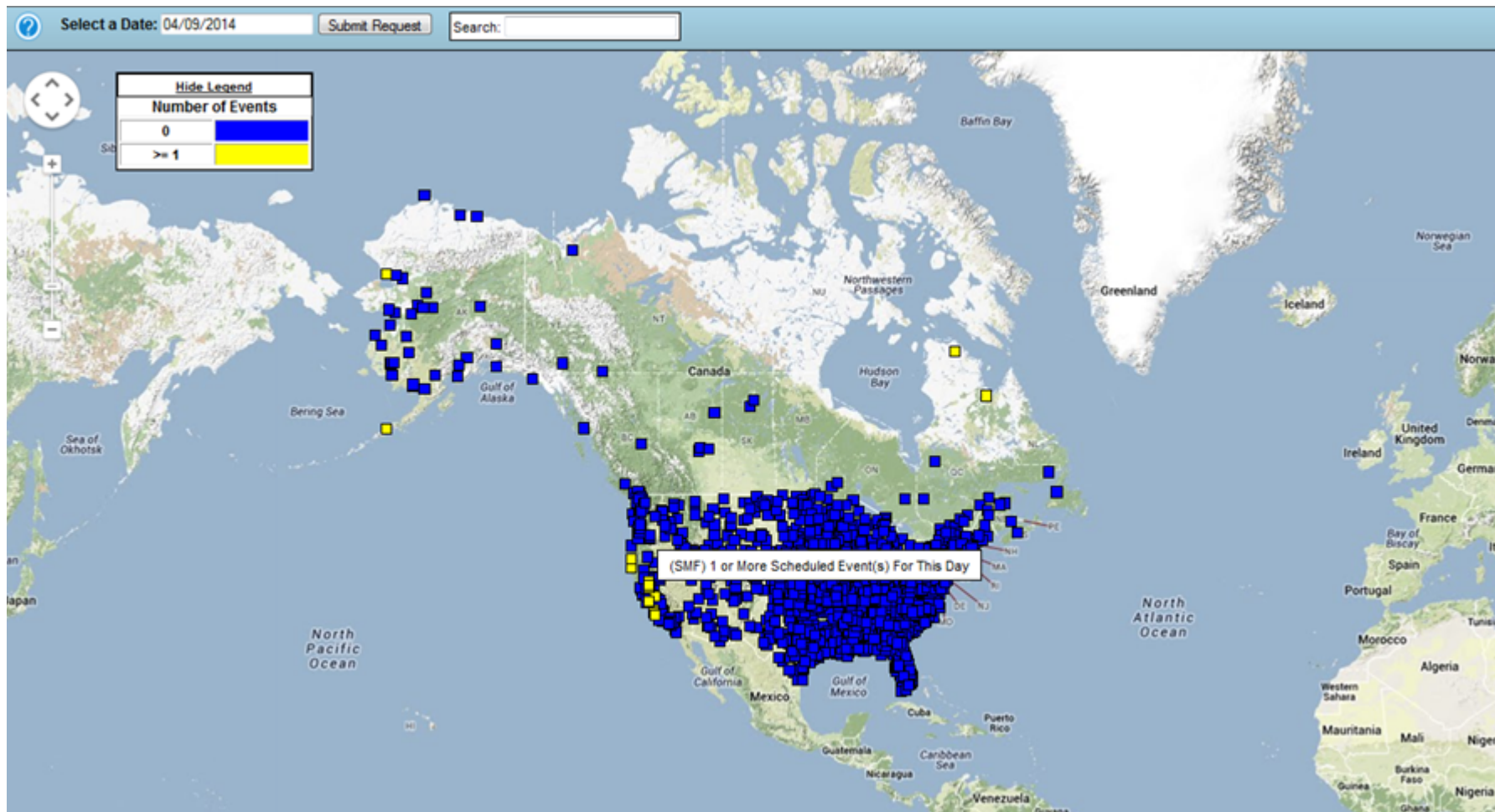
After clicking the “Show Legend” box, we see the legend for the predicted number of events for our chosen date, 04/09/2014 (See the red box below). The blue boxes represent zero (0) events while the yellow boxes show ≥ 1 event. To close the legend, click on “Hide Legend.”



Number of Outages

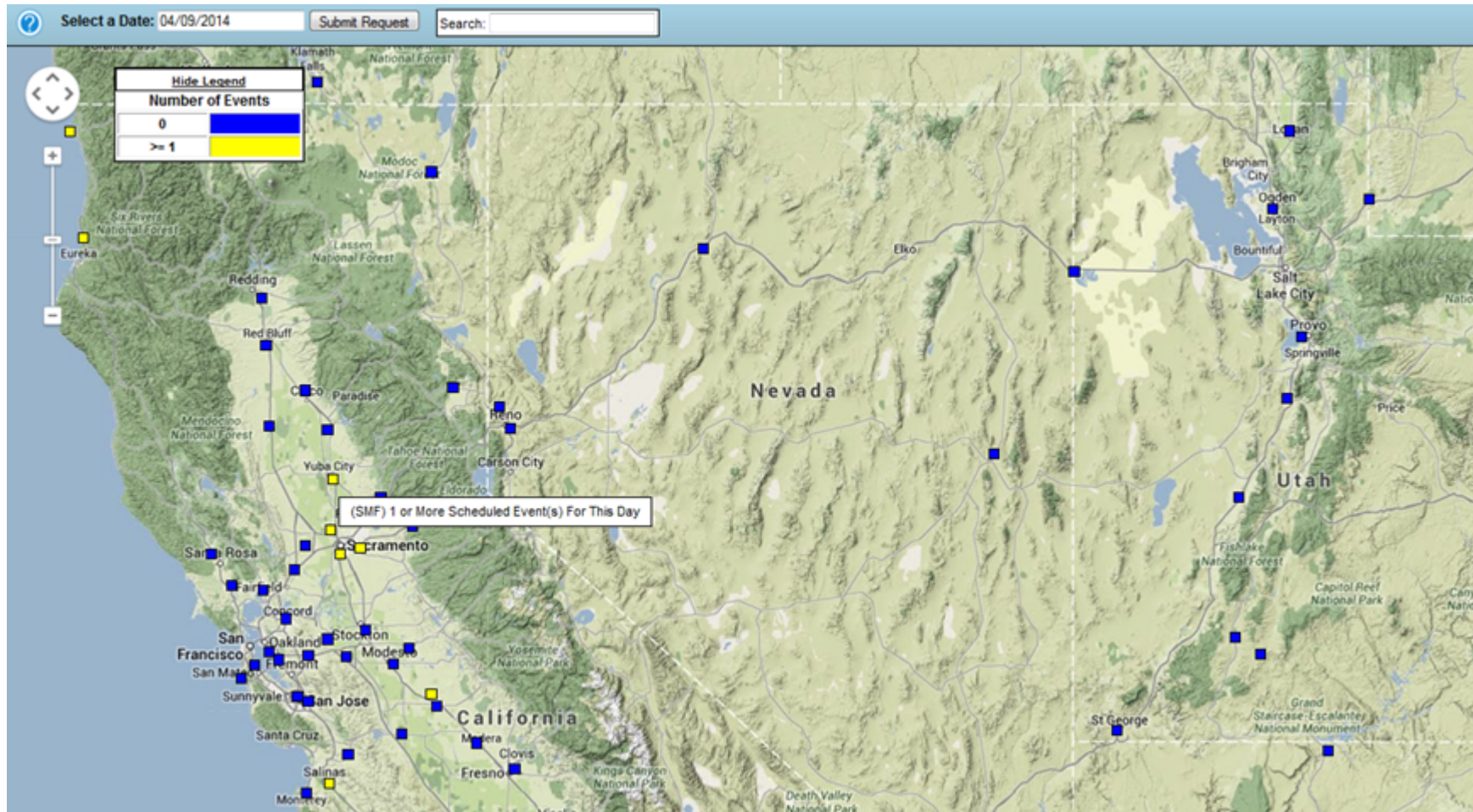
When hovering over a particular box, a new box will appear indicating the airport code and the number of events predicted for this day. Below, SMF is predicted to have one (1) or more Scheduled events on 04/09/2014. If there are no events scheduled for this day, indicated by the blue boxes, there is 100% availability for that airport.

Here, you may also click on a particular airport to open a new dialog box that will include all data for that given airport, including any event(s).



Scrolling

In order to get a closer look at the airport, we used the scroll wheel on the mouse. Notice we hovered over SMF again.



Individual Airport Information

Here we clicked on Sacramento's Airport (Airport Identification: SMF) and a dialog box opened. The box is divided into three sections. The first section, indicated by #1 below, will list the predictions of which events will happen and the time of the event(s) in GMT time. In this example, Runways 16L and 16R will have Service interruption in their LPV availability between 15:49:34 GMT to 15:56:04 GMT, an interruption of approximately 7 minutes.

#2 lists all the published airport information including: the Airport Location; Latitude; Longitude; Height, Maximum Service Level; if Notice to Airmen (NOTAMs) are issued; Instrument Flight Rules (IFR); Runway Pavement Type; and Length of the Longest Runway in feet.

#3 shows RNAV and RNP published instrument approach procedure information including: the Runway Number; the Service Level of each runway; Decision Altitude in feet; Minimum Visibility; the Height Above Threshold in feet; Required Navigation Performance (RNP); WAAS channel and the Initial Publication date.

To close the dialog box, click the black "x" in the top, right corner.

Select a Date: 04/09/2014 Submit Request Search:

Hide Legend
Number of Events
0
1

1

SMF Airport Scheduled Information

Predicted LPV Instrument Approach Procedure Service Interruption(s):
Runway(s) 16L, 16R LPV From 15:49:34 GMT to 15:56:04 GMT

2

Published Airport Information:

Location	SACRAMENTO, CA
Latitude	N 38° 41' 43.50" (38.69541667)
Longitude	W 12° 13' 52.68" (-121.59077780)
Height	27 ft. (8.23 m)
Maximum Service Level	LPV
Are NOTAMs Issued	No
IFR	Yes
Runway Pavement Type	Hard
Length of Longest Runway	8600 ft.

3

Published Runway Information:

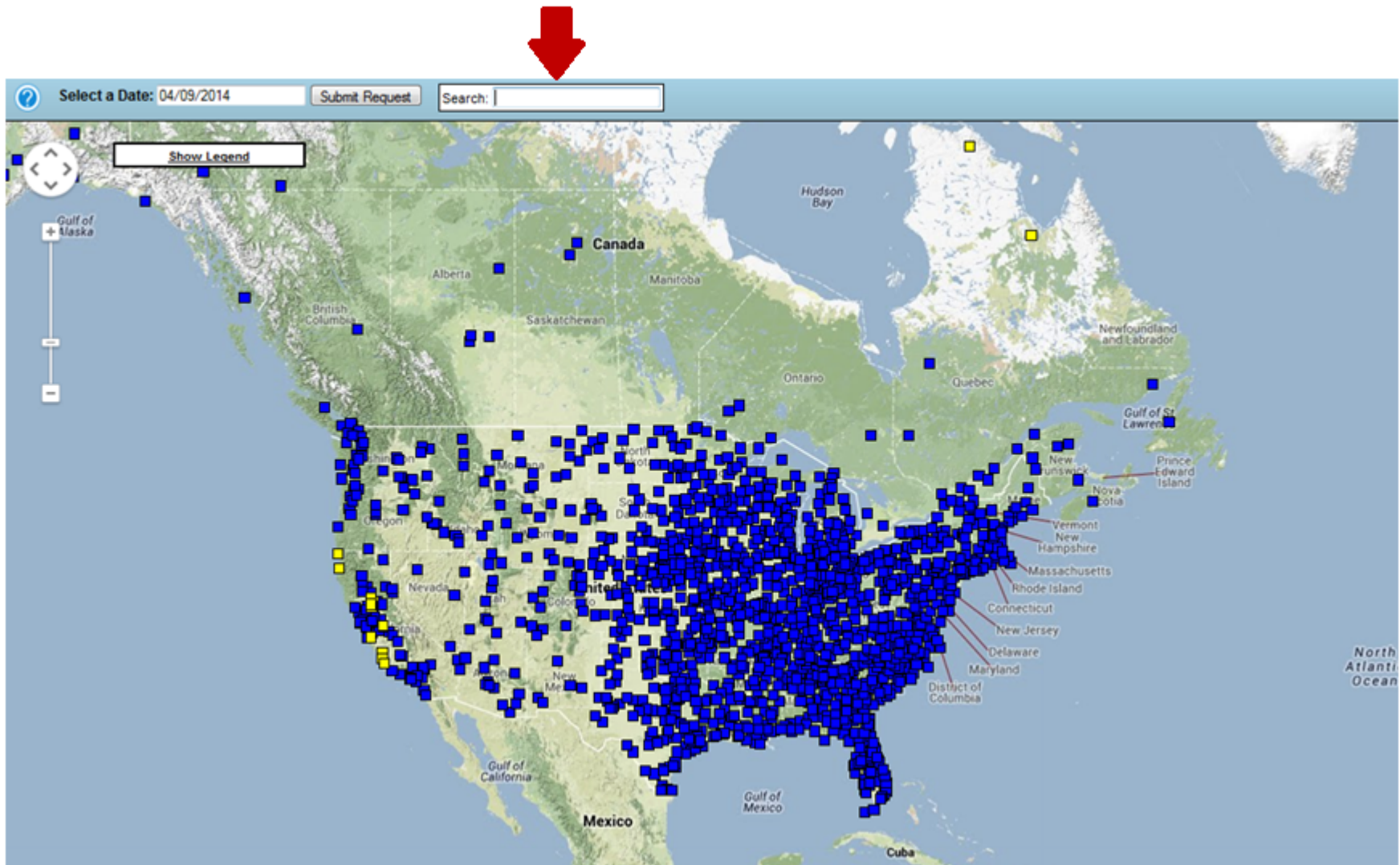
Runway	Service Level	Decision Altitude	Visibility Minimum	Height Above Threshold	RNP	WAAS Channel	Initial Publication Date
16L	LNAV	380 ft.	2400	353 ft.			
16L	RNP	362 ft.	5000	335 ft.	0.30		11/15/2012 12:00:00 AM
16L	VNAV	323 ft.	2400	296 ft.			
16L	LPV	227 ft.	2400	200 ft.		78327	5/31/2012 12:00:00 AM
16R	LNAV	400 ft.	2400	375 ft.			
16R	RNP	368 ft.	3000	343 ft.	0.10		11/15/2012 12:00:00 AM

Search Box

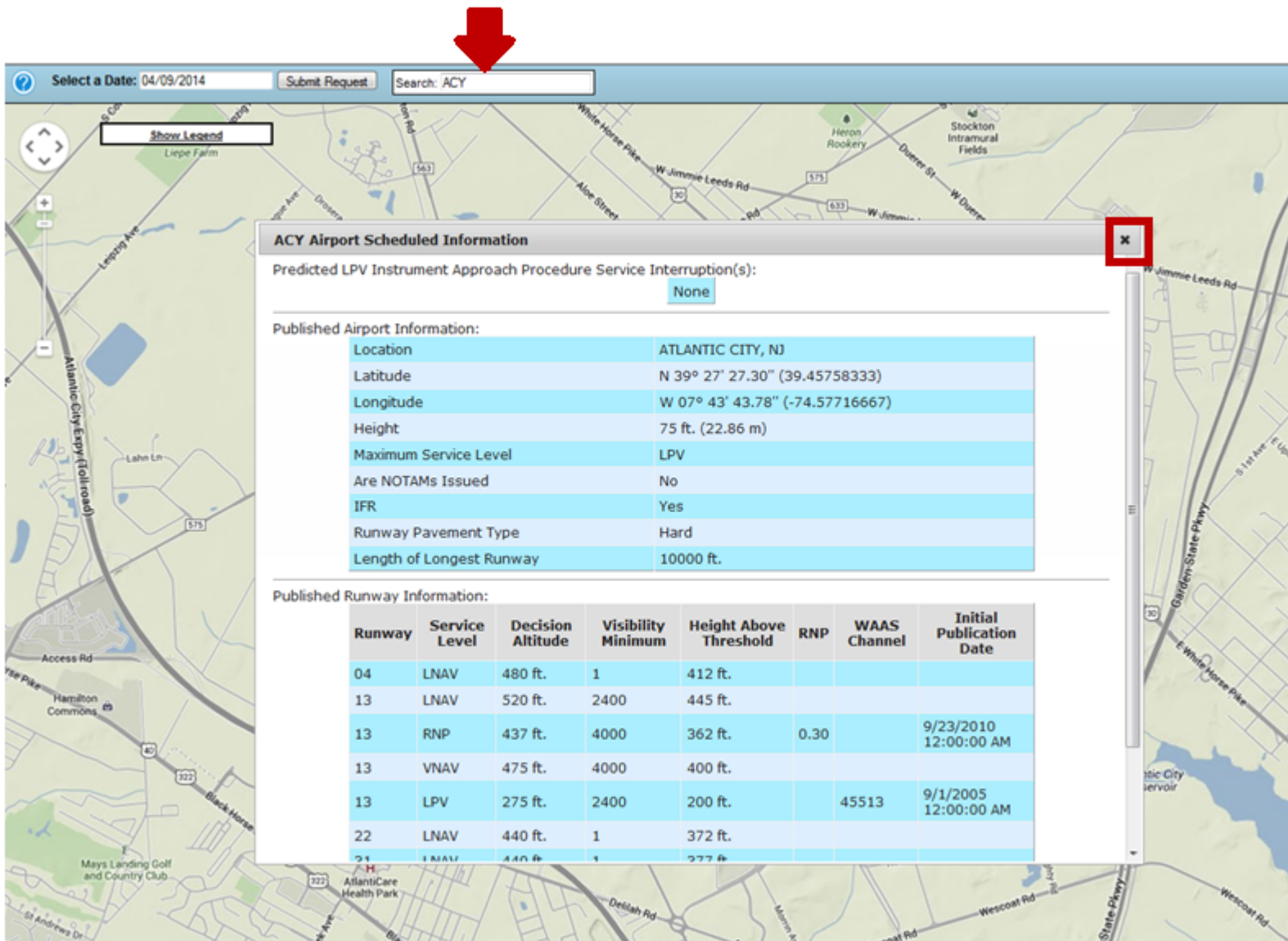
The search box allows you search for a specific airport by using its airport code. Then click the Enter button on your keyboard.

Please note:

- You cannot look up airports by city.
- You cannot use this search box unless you have already selected a date.



Below, we typed in ACY for the Atlantic City International Airport in Egg Harbor Township, NJ. Notice the same dialog box opens. Here, however, ACY has no predictions of any LPV instrument approach procedure service interruptions for the date we selected, 4/09/14. The map has also zoomed into street-level by default. To see the map and close the dialog box, click in the “x” at the top of right corner of the dialog box (See red box).



Select a Date: 04/09/2014 Submit Request Search: ACY

ACY Airport Scheduled Information

Predicted LPV Instrument Approach Procedure Service Interruption(s):
None

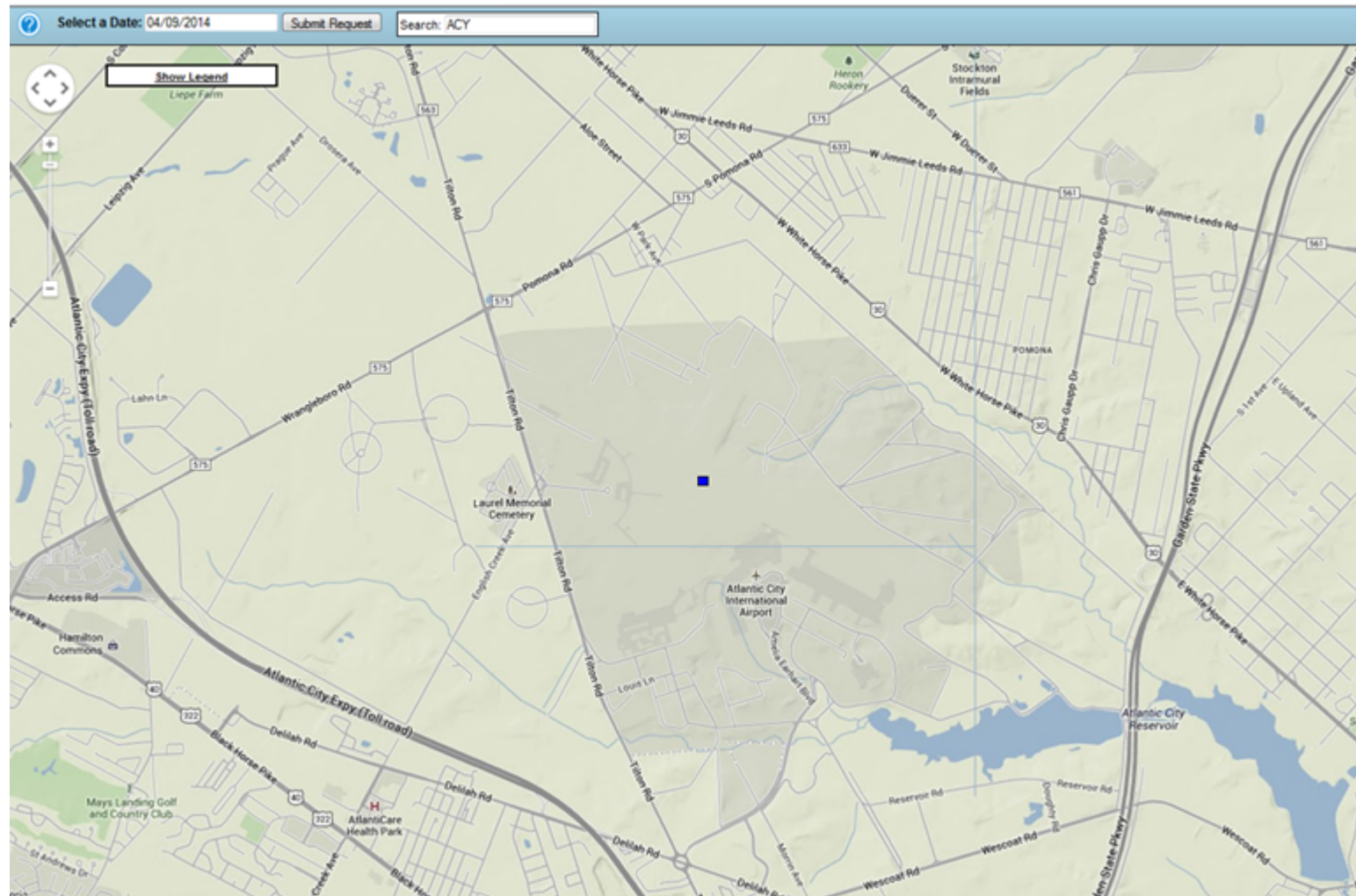
Published Airport Information:

Location	ATLANTIC CITY, NJ
Latitude	N 39° 27' 27.30" (39.45758333)
Longitude	W 07° 43' 43.78" (-74.57716667)
Height	75 ft. (22.86 m)
Maximum Service Level	LPV
Are NOTAMS Issued	No
IFR	Yes
Runway Pavement Type	Hard
Length of Longest Runway	10000 ft.

Published Runway Information:

Runway	Service Level	Decision Altitude	Visibility Minimum	Height Above Threshold	RNP	WAAS Channel	Initial Publication Date
04	LNAV	480 ft.	1	412 ft.			
13	LNAV	520 ft.	2400	445 ft.			
13	RNP	437 ft.	4000	362 ft.	0.30		9/23/2010 12:00:00 AM
13	VNAV	475 ft.	4000	400 ft.			
13	LPV	275 ft.	2400	200 ft.		45513	9/1/2005 12:00:00 AM
22	LNAV	440 ft.	1	372 ft.			

Here is the close-up of the Atlantic City International Airport after clicking the “x” on the Airport information dialog box.



Additional Info

To find out more information, click on the question mark in the upper left corner (See red arrow below). This will open a help Dialog Box with static information.

